

53883-243

05/28/2013

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460-0001

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

Ms. Anne Turnbough  
Control Solutions Inc  
5903 Genoa Red Bluff  
Pasadena, TX 77507

5-28-13

Subject: Amended Reregistration Label  
Product Name: CSI ~~Surface Spray~~ Space Spray Insecticide  
EPA Registration Number: 53883-243  
EPA Decision Numbers: 411662, 413276, 410192

Dear Ms. Turnbough:

The Agency, in accordance with the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, has completed reviewing all of the information submitted with your application to support the reregistration of the referenced product in connection with the **PYRETHRINS, PERMTHRIN, AND PIPERONYL BUTOXIDE REDS**, and has concluded that your submission is acceptable.

NOTE: This product is not being reregistered under sections 3(c)5 and 4(g) of FIFRA at this time.

Please be reminded that 40 CFR Part 156.140(a)(4) requires that a batch code, lot number, or other code identifying the batch of the pesticide distributed and sold be placed on non-refillable containers. The code may appear either on the label or durably marked on the container itself, and can be added by non-notification per PRN 98-10.

Please note that the record for this product currently contains the Confidential Statements of Formulation (CSFs) listed below. Any previously dated CSFs are superseded.

- Basic CSF, dated March 9, 2012
- Alternate CSFs #1-4, all dated March 9, 2012

A copy of your label stamped "Accepted" is enclosed along with copies of the acute toxicity and product chemistry reviews completed for the subject product. Products shipped after 12 months from the date of this amendment or the next printing of the label whichever occurs first, must bear the new revised label. Your release for shipment of the product bearing the amended label constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e).

If you have any questions about this letter, please contact Samantha Hulkower at 703-603-0683 or [hulkower.samantha@epa.gov](mailto:hulkower.samantha@epa.gov).

Sincerely Yours,



Richard J. Gebken  
Product Manager (10)  
Insecticide Branch  
Registration Division (7504P)

*Enclosures:*      *Label stamped "Accepted"*  
*Acute Toxicity Review, dated April 9, 2012*  
*Product Chemistry Review, dated April 11, 2012*

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ACCEPTED

5-28-13

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under:

Martin's®

CSI

EPA Reg. No:

53883-243

# SPACE SPRAY INSECTICIDE

(Alt. BRAND Name: PYSTOL™ MISTING CONCENTRATE)

(Alt. Brand Name: PYSTOL™)

Kills & Repels House flies, Stable flies, Horse flies, Black Flies, Deer flies, Fruit flies, Horn flies, Mosquitoes, Gnats, Bott flies, Biting and Non-biting Midges, Face flies and fleas. Fast Knockdown and Control

[For Indoor][and][or][Outdoor Areas as Listed]  
[Makes up to 55 gallons of solution for misting systems]

### ACTIVE INGREDIENTS:

Pyrethrins: .....	0.55%
* Piperonyl Butoxide:.....	5.50%
**Permethrin: (3-phenoxyphenyl) methyl (+1-) cis/trans 3-(2,2-dichloroethenyl) 2,2-dimethylcyclopropanecarboxylate .....	1.10%
<b>OTHER INGREDIENTS :</b> .....	<b>92.85%</b>
<b>TOTAL:</b> .....	<b>100.00%</b>

\* (butylcarbityl)(6-propylpiperonyl) ether and 1.1% related compounds.  
\*\*Cis/trans ratio: Max. 65% (+1-) trans and min. 35% (+1-) cis.

## KEEP OUT OF REACH OF CHILDREN CAUTION

FIRST AID	
If swallowed	<ul style="list-style-type: none"> <li>• Call poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
If in eyes	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
If inhaled	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
If on skin or clothing	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
	Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact SafetyCall® International for emergency medical treatment at (866) 897-8050.

NET CONTENTS: \_\_\_\_\_

EPA Registration No. 53883-243

EPA Establishment No. XXXX-XXX-XXX

[See Back/Side Label Panel for Additional Precautionary Statements]

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS & DOMESTIC ANIMALS**

**CAUTION:** Harmful if swallowed, inhaled or absorbed through skin. Causes moderate eye irritation. Avoid breathing vapors or spray mist. Avoid contact with skin, eyes or clothing.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Some materials that are chemical-resistant to this product are barrier laminate or vitron. If you want more options, follow the instructions for category G on an EPA chemical resistance category selection chart. **All pesticide handlers (mixer, loader, and applicators) must wear:**

Applicators using ULV cold foggers or fog/mist generators in indoor spaces must wear:

- Coveralls over long-sleeved shirt and long pants,
- Chemical-resistant gloves,
- Chemical resistant footwear plus socks, and
- Chemical-resistant headgear, if overhead exposure.

Applicators using ULV cold foggers and/or fog/mist generators in outdoor spaces must wear:

- Long-sleeve shirt and long pants,
- Shoes plus socks, and
- Chemical-resistant gloves.

All other mixers, loaders, applicators, and other handlers must wear:

- Long-sleeve shirt and long pants,
- Shoes plus socks, and
- Chemical-resistant gloves (such as those made out of Barrier Laminate, Butyl Rubber, Nitrile Rubber, Neoprene Rubber Polyvinyl Chloride, or Viton, Selection Category C ) for all handlers,
- Chemical-resistant apron for mixers/loaders, persons cleaning equipment, and persons exposed to the concentrate.

See engineering controls for additional requirements.

**USER SAFETY REQUIREMENTS**

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

**USER SAFETY RECOMMENDATIONS**

**User should:**

- wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- remove PPE immediately after handling this product. Wash the outside of gloves before removing.

As soon as possible, wash thoroughly and change into clean clothing.

**ENVIRONMENTAL HAZARDS**

This pesticide is extremely toxic to aquatic organisms, including fish and invertebrates. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems.

This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area.

**PHYSICAL AND CHEMICAL HAZARDS**

Do not use or store near heat or open flame.

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

**RESTRICTIONS**

For use as a surface spray:

Except when applied in residential misting systems, do not allow others to enter until sprays have dried.

For use as a space spray:

Except when applied in residential misting systems do not enter or allow others to enter until vapors, mists, and aerosols have dispersed and the treated area has been thoroughly ventilated.

Except when applied in residential misting systems, do not apply this product that will contact workers or other persons either directly or through drift.

Except when applied in residential misting systems, only protected handlers may be in the area during application.

Do not breathe dusts, vapors, or spray mist.

For 4 hours following applications, do not allow any person to reenter treated areas.

Application is prohibited directly into sewers or drains, or to any area like a gutter where drainage to sewers, storm drains, water bodies, or aquatic habitat can occur. Do not allow the product to enter any drain during or after application.

Do not make outdoor applications during rain.

Do not wet plants to point of runoff or drip.

For indoor uses:

Remove or cover exposed food and drinking water before application.

Remove or cover dishes, utensils, food processing equipment, and food preparation surfaces, or wash them before use.

NOT FOR USE ON CATS.

### DILUTION CHART

Dilute before using following the recommendations in the chart below. Mix thoroughly before application. Repeat treatments only as necessary to maintain control.

*[For 1 quart containers use the following chart]*

Total Spray Volume	Amount of CSI SPACE SPRAY INSECTICIDE	Amount of Water
1 gallon	5.8 fl. oz.	7 pints + 10.2 fl. oz.
2 gallons	11.6 fl.oz.	1 gallon + 7 pints + 10.2 fl. oz.
5 gallons	1 pint + 13.1 fl. oz.	4 gallons + 3 quarts + 2.9 fl. oz.

*[For 1 gallon containers use the following chart]*

Total Spray Volume	Amount of CSI SPACE SPRAY INSECTICIDE	Amount of Water
1 gallon	5.8 fl. oz.	7 pints + 10.2 fl. oz.
2 gallons	11.6 fl.oz.	1 gallon + 7 pints + 10.2 fl. oz.
5 gallons	1 pint + 13.1 fl. oz.	4 gallons + 3 quarts + 2.9 fl. oz.
10 gallons	3 pints + 10.2 fl. oz.	9 gallons + 2 quarts + 5.8 fl. oz.

*[For containers equal to or greater than 2½ gallons use the following chart]*

Total Spray Volume	Amount of CSI SPACE SPRAY INSECTICIDE	Amount of Water
1 gallon	5.8 fl. oz.	7 pints + 10.2 fl. oz.
2 gallons	11.6 fl.oz.	1 gallon + 7 pints + 10.2 fl. oz.
5 gallons	1 pint + 13.1 fl. oz.	4 gallons + 3 quarts + 2.9 fl. oz.
10 gallons	3 pints + 10.2 fl. oz.	9 gallons + 2 quarts + 5.8 fl. oz.
30 gallons	1 gallon + 1 quart + 14.5 fl. oz.	28 gallons + 5 pints + 1.5 fl. oz.
55 gallons	2 gallons + 2 quarts	52 gallons + 2 quarts

### INDOOR SPACE SPRAYS

Use in horse barns, dog kennels, and zoo animal quarters to kill and repel House flies, Stable flies, Horse flies, Black Flies, Deer flies, Fruit flies, Horn flies, Mosquitoes, Gnats, Bott flies, Biting and Non-biting Midges, Face flies and fleas.

#### Use Restrictions:

- Do not allow people to remain in treatment areas (horse barns, dog kennels & zoo animal quarters) while treatment is in progress.
- Before allowing personnel to re-enter, the treated area must be thoroughly ventilated.

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- Do not use in commercial food/feed handling establishments, restaurants, or other areas where food is commercially prepared or processed.

Apply as a space spray at a rate of 1 fluid ounce diluted product per 1000 cubic feet of area using an automatic spray system. Refer to the system user manual for specific instructions. Spray nozzles should be adjusted to deliver a fine mist or fog to the entire area to be treated. Do not program automatic spraying systems to release pesticide where food or feed is directly exposed.

**NOTE:** Do not apply this product to horses intended for slaughter or human consumption. Do not apply this product in horse barns (stables) where horses intended for slaughter or human consumption will be maintained.

**DIRECTIONS FOR MISTING SYSTEMS USED IN COMMERCIAL BARN, STABLES, AND ANIMAL QUARTERS**

Not for use in outdoor residential misting systems (indoor or outdoor).

Do not apply this product in barns or stables where animals intended for slaughter or human consumption will be maintained.

Do not apply when food, feed, or water is present.

Do not apply directly to animals.

When using this product, installers and service technicians must comply with the license, certification, or registration requirements of the state(s), tribe(s), or local authority(ies) where they are installed.

When applying via a remote activation device, do not apply when people and pets are present. If possible, when applying via automatic timer, set the timing for application when people and pets are unlikely to be present.

Direct nozzles to spray towards the target area and away from areas where people are typically present.

Do not use in an evaporative cooling system.

Do not use in misters located within 3 feet of air vents, air conditioner units, or windows.  
holds 1 part of CSI SPACE SPRAY INSECTICIDE to 21 parts water.

If used in a direct injection system, the pesticide container must be locked. Securely attach the end use label to the pesticide container in a weather protected area or plastic sleeve. (These instructions are not applicable to wettable powder products).

This product must only be used in systems that have been calibrated to apply no more than the maximum applications rate of 0.13 gallons of CSI SPACE SPRAY INSECTICIDE dilution per 1,000 cubic feet per day (equal to 0.25 grams of Permethrin per 1,000 cubic feet per day).

If used in a system with a reservoir tank for the end use dilution, the system reservoir tank must be locked. Securely attach the end use pesticide label and a dilution statement to the system reservoir tank in a weather protected area or plastic sleeve. The dilution statement must be phrased as follows: this

container holds 1 part of CSI SPACE SPRAY INSECTICIDE to 21 parts water.

**OUTDOOR SPRAYS**

Use as an outdoor spray for the temporary reduction of House flies, Stable flies, Horse flies, Black Flies, Deer flies, Fruit flies, Horn flies, Mosquitoes, Gnats, Bott flies, Biting and Non-biting Midges, Face flies and fleas on and around homes, patios, tennis courts, pool areas, beach houses, and lawn areas.

**Use Restrictions:**

Not registered for use in Residential Automatic Mosquito Mistng Systems in the State of New York.

**DIRECTIONS FOR USE IN OUTDOOR RESIDENTIAL MISTING SYSTEMS**

When using this product, installers and service technicians must comply with the license, certification, or registration requirements of the state(s), tribe(s), or local authority(ies) where they are installed.

Do not use in an evaporative cooling system.

Direct nozzles to spray towards the target area and away from swimming pools, water bodies, or eating and cooking areas.

Do not set nozzles to direct mist near outside air condition systems or other home air intakes.

If used in a system with a reservoir tank for the end use dilution, the system reservoir tank must be locked. Securely attach the end use pesticide label and a dilution statement to the system reservoir tank in a weather protected area or plastic sleeve. The dilution statement must be phrased as follows: this container holds 1 parts CSI SPACE SPRAY INSECTICIDE to 21 parts water.

If used in a direct injection system, the pesticide container must be locked. Securely attach the end use label to the pesticide container in a weather protected area or plastic sleeve.

If the system works on an automatic timer, set the timing for application when people, pets, and/or food are unlikely to be present.

If the system works when a person operates a remote activation device, then application of this pesticide when people, pets, and/or food are present is prohibited.

Contact the system manufacturer for guidance or assistance to ensure compliance with the following requirement:

This product may only be used in systems that have been calibrated to apply no more than the maximum application rate of 0.25 grams Permethrin per 1000 cubic feet per day (equal to 0.13 gallons of CSI SPACE SPRAY INSECTICIDE dilution per 1,000 cubic feet per day).

**Application With Handheld Sprayers:**

For residual treatment of vegetation or other surfaces apply the diluted product at a rate of 6 to 12 fl. oz. per 1,000 sq. ft. of area. Use only equipment that produces coarse, non-ULV sprays. Do not apply with handheld or truck mounted aerosol ULV sprayers and thermal fogging devices. Not for wide area mosquito adulticide use.

**STORAGE & DISPOSAL**  
Do not contaminate water, food, or feed by storage or disposal.

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**STORAGE:** Keep in a cool, dry area preferably locked and away from children and pets. Do not store below 32°F (0°C). In case of spill or leakage, soak up with an absorbent material such as sand, sawdust, earth, fuller's earth, etc. Dispose of with chemical waste.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER DISPOSAL:**

**For Containers equal to or less than 5 Gallons:** Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Offer for recycling if available. If recycling is not available: then dispose of container in a sanitary landfill or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

**For Containers greater than 5 Gallons:** Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Offer for recycling if available. If recycling is not available: then dispose of container in a sanitary landfill or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

**For Bulk containers (Refillable Container):** Refill this container with pesticides only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the re-filler. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or re-circulate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this procedure two more times.

**IMPORTANT: READ BEFORE USE**

**LIMITATION OF WARRANTY AND LIABILITY**

Read the entire direction for use, conditions of warranties and limitations of liability before using this product. If terms are not acceptable, return the unopened product container at once. By using this product, user or buyer accepts the following **CONDITIONS, DISCLAIMER OF WARRANTIES, and LIMITATIONS OF LIABILITY.**

**CONDITIONS:** The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risk associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Control Solutions, Inc. All such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:** To the extent consistent with applicable law, Control Solutions, Inc. makes no other warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond the statements made on this label. No agent of Control Solutions, Inc. is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, Control Solutions, Inc. disclaims any liability whatsoever for special, incidental or consequential damages resulting from the use

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or handling of this product.

**LIMITATIONS OF LIABILITY:** To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use or handling of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid or at Control Solutions, Inc election, the replacement of product.

[OPTIONAL MARKETING LANGUAGE]

- Control Flies\*  
\*specific to House flies, Stable flies, Horse flies, Black Flies, Deer flies, Fruit flies, Horn flies, Bott flies, Face flies [optional marketing language]

Manufactured By:  
Control Solutions, Inc.  
5903 Genoa-Red Bluff  
Pasadena, TX 77507

Master Label (53883-243): Revised per EPA comments 5-22-2013